



Li-ion Energy Storage System Containerized Solutions Developing skills in operation & maintenance

Saft's training program provides professional users with all the knowledge and skills needed to operate and maintain battery equipment and systems.



▶ OBJECTIVES

- Extend the life and improve the availability of your battery equipment
- Ensure that correct and precise operations on your battery, HVAC (Heating, Ventilation and Air-conditioning) and FSS (Fire Suppression System) are autonomously carried out
- Enhance security and performance
- Provide immediate return on training investment

▶ AUDIENCE

- Saft's O&M customer's teams and service partners
- Typical Energy Storage System applications

▶ BENEFITS

MASTER

- Effective and efficient programs provided by Saft's training professionals who are battery and application experts
- Gain a robust knowledge on product's key operating principles
- Complete program to maximize operational battery performance in complete safety

PRACTICE

- Training covers both theory and practice
- Hands on practical training with real-life equipment to instill the essential confidence required by all service providers

SHARE

- High level of student interaction and participation ensures the program's effectiveness and relevance
- Exchange with experts and counterparts to keep up to date with industry trends and developments

▶ QUALIFICATION

- Following an evaluation test, the training session concludes with an "Attendance Certificate" that reflects the progress made by the participants
- The customer or service partner will be able to run autonomously level 1 and/or 2 of maintenance
- Refresh training courses are also available

▶ PLACE

- Sessions from 4-10 people – At Saft sites: Bordeaux* (France) and Jacksonville (USA) / At customers' own location

▶ LANGUAGES

- English and local languages on demand

▶ DATES & PRICES

- For more information on schedule and prices, you can contact your local Saft representative and download the registration form on our website:

<http://www.saftbatteries.com> (section Solutions/Support & services)

Professional profiles

- ENGINEERING
- INSTALLATION
- OPERATION
- MAINTENANCE

* Saft SAS France is officially registered as a training organization under the number 72930871133.





COURSE TOPICS

Advanced training course Operation & maintenance

2 day training package

Code: OM - CTZ-Li-ION

To learn how to operate and maintain containerized battery systems (module, HVAC, FSS) for maximum service life.



Li-ion battery fundamentals

Fundamentals

- Saft's key product features (design/technical/electrical) and benefits
- Saft Li-ion technology versus lead and other Li-ion technologies
- Battery system architecture (modules, components, soft)
- Fire Suppression System (FSS) and Heating, Ventilation and Air-Conditioning (HVAC)
- Battery use safety and standards
- Warranty conditions
- Preventive maintenance level 1 + 2



Advanced training course, operation and maintenance

Fundamentals

- Troubleshooting
- Corrective maintenance level 1 + 2

Hands on training

- CAN bus operations (TPDO understanding, emission/reception of RPDO/SDO)
- Conduct operations on the diagnostic tools
- Switch opening/closing tests
- Charge/discharge tests
- SMU replacement
- Module replacement
- BMM replacement
- MBMM replacement



Customized training programmes

Saft also offers customized courses to support customer's specific training goals. Before conducting a specialized course, our training department will work with you to enhance our standard course content to maximize its relevance to your own equipment, operations and maintenance practices.

“ The training was professionally delivered and covered a wide range of topics from the battery design and architecture to auxiliary components. I highly recommend it to other business. ”

A Distribution System Operator (DSO) in Italy

SAFT TRAINING



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